```
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD      TTTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD      TTTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD      TTTTTTTTTTTTTTTTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEEEEEEEEEEEE       DDD      DDD           TTT
EEEEEEEEEEEEE       DDD      DDD           TTT
EEEEEEEEEEEEE       DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEE                 DDD      DDD           TTT
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD            TTT
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD            TTT
EEEEEEEEEEEEEEEEE   DDDDDDDDDDD            TTT
```

FILEID**FPUTCHAR

```
FFFFFFFFF  PPPPPPPP   UU      UU   TTTTTTTTTT  CCCCCCC   HH      HH    AAAAAA    RRRRRRR
FFFFFFFFF  PPPPPPPP   UU      UU   TTTTTTTTTT  CCCCCCCC  HH      HH    AAAAAA    RRRRRRRR
FF         PP     PP  UU      UU       TT      CC        HH      HH   AA    AA   RR     RR
FF         PP     PP  UU      UU       TT      CC        HH      HH   AA    AA   RR     RR
FF         PP     PP  UU      UU       TT      CC        HH      HH   AA    AA   RR     RR
FFFFFFFF   PPPPPPPP   UU      UU       TT      CC        HHHHHHHHHH   AA    AA   RRRRRRRR
FFFFFFFF   PPPPPPPP   UU      UU       TT      CC        HHHHHHHHHH   AA    AA   RRRRRRRR
FF         PP         UU      UU       TT      CC        HH      HH   AAAAAAAAAA RR  RR
FF         PP         UU      UU       TT      CC        HH      HH   AAAAAAAAAA RR  RR
FF         PP         UU      UU       TT      CC        HH      HH   AA    AA   RR   RR    ....
FF         PP         UU      UU       TT      CC        HH      HH   AA    AA   RR   RR    ....
FF         PP         UUUUUUUUUU       TT      CCCCCCCC  HH      HH   AA    AA   RR     RR  ....
FF         PP         UUUUUUUUUU       TT      CCCCCCCC  HH      HH   AA    AA   RR     RR  ....

LL         IIIIII     SSSSSSSS
LL         IIIIII     SSSSSSSS
LL           II     SS
LL           II     SS
LL           II     SS
LL           II       SSSSSS
LL           II       SSSSSS
LL           II            SS
LL           II            SS
LL           II            SS
LL           II            SS
LLLLLLLLL  IIIIII     SSSSSSSS
LLLLLLLLL  IIIIII     SSSSSSSS
```

```
 1    0001  0 %TITLE 'EDT$FPUTCHAR - store a character in the format buffer'
 2    0002  0 MODULE EDT$FPUTCHAR (                              ! Store a character in the format buffer
 3    0003  0                 IDENT = 'V04-000'                  ! File: FPUTCHAR.BLI Edit: JBS1004
 4    0004  0                 ) =
 5    0005  1 BEGIN
 6    0006  1
 7    0007  1 !*********************************************************************
 8    0008  1 !*                                                                 *
 9    0009  1 !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                        *
10    0010  1 !*  DIGITAL EQUIPMENT CORPORATION, MAYNARD, MASSACHUSETTS.         *
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25    0025  1 !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.         *
26    0026  1 !*                                                                 *
27    0027  1 !*                                                                 *
28    0028  1 !*********************************************************************
29    0029  1
30    0030  1
31    0031  1 !++
32    0032  1 ! FACILITY:     EDT -- The DEC Standard Editor
33    0033  1 !
34    0034  1 ! ABSTRACT:
35    0035  1 !
36    0036  1 !      Store a character in the format buffer.  Write out the buffer
37    0037  1 !      if it overflows.
38    0038  1 !
39    0039  1 ! ENVIRONMENT:  Runs at any access mode - AST reentrant
40    0040  1 !
41    0041  1 ! AUTHOR: Bob Kushlis, CREATION DATE: March 18, 1979
42    0042  1 !
43    0043  1 ! MODIFIED BY:
44    0044  1 !
45    0045  1 ! 1-001 - Original.  DJS 19-FEB-1981.  This module was created by
46    0046  1 !         extracting routine EDT$$PUT_CH  from module FORMAT.
47    0047  1 ! 1-002 - Regularize headers.  JBS 05-Mar-1981
48    0048  1 ! 1-003 - Use EDT$$K_FMT_BUFLEN.  JBS 29-Sep-1982
49    0049  1 ! 1-004 - Fix a local symbol name.  JBS 04-Jan-1983
50    0050  1 !--
51    0051  1
```

L 4

EDT$FPUTCHAR   EDT$FPUTCHAR - store a character in the format 16-Sep-1984 00:28:45   VAX-11 Bliss-32 V4.0-742   Page 2
V04-000   Declarations   14-Sep-1984 12:23:12   DISK$VMSMASTER:[EDT.SRC]FPUTCHAR.BLI;1 (2)

```
 53    0052  1  %SBTTL 'Declarations'
 54    0053  1  !
 55    0054  1  ! TABLE OF CONTENTS:
 56    0055  1  !
 57    0056  1
 58    0057  1  REQUIRE 'EDTSRC:TRAROUNAM';
 59    0496  1
 60    0497  1  FORWARD ROUTINE
 61    0498  1      EDT$$STORE_FMTCH : NOVALUE;
 62    0499  1
 63    0500  1  !
 64    0501  1  ! INCLUDE FILES:
 65    0502  1  !
 66    0503  1
 67    0504  1  REQUIRE 'EDTSRC:EDTREQ';
 68    0639  1
 69    0640  1  !
 70    0641  1  ! MACROS:
 71    0642  1  !
 72    0643  1  !      NONE
 73    0644  1  !
 74    0645  1  ! EQUATED SYMBOLS:
 75    0646  1  !
 76    0647  1  !      NONE
 77    0648  1  !
 78    0649  1  ! OWN STORAGE:
 79    0650  1  !
 80    0651  1  !      NONE
 81    0652  1  !
 82    0653  1  ! EXTERNAL REFERENCES:
 83    0654  1  !
 84    0655  1  !      In the routine
```

```
M 4

86    0656  1  %SBTTL 'EDT$$STORE_FMTCH  - store a character in the format buffer'
87    0657  1
88    0658  1  GLOBAL ROUTINE EDT$$STORE_FMTCH (                          ! Store a character in the format buffer
89    0659  1      C                                                      ! The character to store
90    0660  1      ) : NOVALUE =
91    0661  1
92    0662  1  !++
93    0663  1  ! FUNCTIONAL DESCRIPTION:
94    0664  1  !
95    0665  1  !     Place a character in the formatted output buffer.  If the pointer is at the
96    0666  1  !     end of the buffer then write out the line and start over again.
97    0667  1  !
98    0668  1  ! FORMAL PARAMETERS:
99    0669  1  !
100   0670  1  !   C                     The character to put out.
101   0671  1  !
102   0672  1  ! IMPLICIT INPUTS:
103   0673  1  !
104   0674  1  !     EDT$$T_FMT_BUF
105   0675  1  !     EDT$$A_FMT_CUR
106   0676  1  !     EDT$$G_FMT_LNPOS
107   0677  1  !
108   0678  1  ! IMPLICIT OUTPUTS:
109   0679  1  !
110   0680  1  !     NONE
111   0681  1  !
112   0682  1  ! ROUTINE VALUE:
113   0683  1  !
114   0684  1  !     NONE
115   0685  1  !
116   0686  1  ! SIDE EFFECTS:
117   0687  1  !
118   0688  1  !     NONE
119   0689  1  !
120   0690  1  !--
121   0691  1
122   0692  2      BEGIN
123   0693  2
124   0694  2      EXTERNAL ROUTINE
125   0695  2          EDT$$OUT_FMTBUF;
126   0696  2
127   0697  2      EXTERNAL
128   0698  2          EDT$$T_FMT_BUF : BLOCK [CH$ALLOCATION (EDT$$K_FMT_BUFLEN)],      ! The formatted output buffer
129   0699  2          EDT$$A_FMT_CUR,                                    ! Pointer to next character in above
130   0700  2          EDT$$G_FMT_LNPOS;                                  ! The current column number
131   0701  2
132   0702  2      LOCAL
133   0703  2          SAV_LNPOS;
134   0704  2
135   0705  2      BIND
136   0706  2          END_BUF = CH$PTR (EDT$$T_FMT_BUF, EDT$$K_FMT_BUFLEN);   ! Pointer to end of format buffer
137   0707  2
138   0708  2  !+
139   0709  2  ! Check for end of buffer.
140   0710  2  !-
141   0711  2
142   0712  3      IF CH$PTR_EQL (END_BUF, .EDT$$A_FMT_CUR)
```

```
;   143      0713  2         THEN
;   144      0714  3             BEGIN
;   145      0715  3             SAV_LNPOS = .EDT$$G_FMT_LNPOS;
;   146      0716  3             EDT$$OUT_FMTBUF ();
;   147      0717  3             EDT$$G_FMT_LNPOS = .SAV_LNPOS;
;   148      0718  3             END;
;   149      0719  2
;   150      0720  2         CH$WCHAR_A (.C, EDT$$A_FMT_CUR);
;   151      0721  1         END;                                          ! of routine EDT$$STORE_FMTCH
;
;
                                                                          .TITLE  EDT$FPUTCHAR EDT$FPUTCHAR - store a character i
                                                                                            n the format
                                                                          .IDENT  \V04-000\

                                                                          .EXTRN  EDT$$OUT_FMTBUF
                                                                          .EXTRN  EDT$$T_FMT_BUF, EDT$$A_FMT_CUR
                                                                          .EXTRN  EDT$$G_FMT_LNPOS

                                                                          .PSECT  _EDT$CODE,NOWRT,  SHR,  PIC,2

                                      001C 00000              .ENTRY  EDT$$STORE_FMTCH, Save R2,R3,R4         ; 0658
                         54 00000000G  00  9E 00002           MOVAB   EDT$$G_FMT_LNPOS, R4
                         53 00000000G  00  9E 00009           MOVAB   EDT$$A_FMT_CUR, R3
                         50 00000000G  00  9E 00010           MOVAB   END_BUF, R0                             ; 0712
                         50           63  D1 00017           CMPL    EDT$$A_FMT_CUR, R0
                                      0D  12 0001A           BNEQ    1$
                         52           64  D0 0001C           MOVL    EDT$$G_FMT_LNPOS, SAV_LNPOS             ; 0715
           00000000G  00 00  FB 0001F           CALLS   #0, EDT$$OUT_FMTBUF                      ; 0716
                         64           52  D0 00026           MOVL    SAV_LNPOS, EDT$$G_FMT_LNPOS             ; 0717
                         50           63  D0 00029 1$:       MOVL    EDT$$A_FMT_CUR, R0                       ; 0720
                         60       04  AC  90 0002C           MOVB    C, (R0)
                                      63  D6 00030           INCL    EDT$$A_FMT_CUR
                                      04 00032           RET                                             ; 0721
; Routine Size:  51 bytes,    Routine Base:  _EDT$CODE + 0000

;   152      0722  1
;   153      0723  1 !<BLF/PAGE>
```

```
; 155        0724 1 END                                                    ! of module EDT$FPUTCHAR
; 156        0725 1
; 157        0726 0 ELUDOM
```

```
;
;
;                            PSECT SUMMARY
;
;       Name                    Bytes                           Attributes
;
; _EDT$CODE                       51   NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)
```

```
;
;                       Library Statistics
;
;
;                                      -------- Symbols --------      Pages      Processing
;       File                           Total   Loaded   Percent      Mapped     Time
;
; _$255$DUA28:[EDT.SRC]EDT.L32;1         377       2        0          40        00:00.2
; _$255$DUA28:[EDT.SRC]PSECTS.L32;1        2       1       50           7        00:00.1
```

```
;
;                       COMMAND QUALIFIERS
;
;       BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS$:FPUTCHAR/OBJ=OBJ$:FPUTCHAR MSRC$:FPUTCHAR.BLI/UPDATE=(ENH$:FPUT
;       CHAR)

; Size:          51 code + 0 data bytes
; Run Time:         00:09.6
; Elapsed Time:     00:11.3
; Lines/CPU Min:    4518
; Lexemes/CPU-Min: 12404
; Memory Used: 57 pages
; Compilation Complete
```

FPUTMES
LIS

FPUT
LIS

FTEXT
LIS

INIT
LIS

FIXNOTRUN
LIS

HANDLER
LIS

FPUTCHAR
LIS

GETXLATE
LIS

IOMOD
LIS

FLITERAL
LIS

FSTRING
LIS

INPUT
LIS

FIXNOTRUN
LIS

HELP
LIS